

Title (en)  
Automatic dishwasher.

Title (de)  
Automatischer Geschirrspüler.

Title (fr)  
Lave-vaisselle automatique.

Publication  
**EP 0156161 A1 19851002 (EN)**

Application  
**EP 85101833 A 19850220**

Priority  
• JP 2369784 U 19840220  
• JP 3108884 A 19840220  
• JP 7282284 U 19840517  
• JP 20127684 U 19841228

Abstract (en)  
An automatic dishwasher which comprises an enclosure (11) for accommodating articles to be washed, a washing solution tank (12) arranged below the enclosure (11), a hot water storage tank (13) for containing a predetermined amount of hot water for rinsing use, a plurality of nozzles (23, 29.30) for spraying a liquid medium towardsthe articles in the enclosure (11), a motor-driven pump (27), a first piping (28) connecting a discharge port of the pump (27) with the nozzles. a second piping (26) connecting both of the solution (12) and storage (13) tanks with a suction port of the pump (26), and a valve assembly (24) disposed on the second piping (26) and operable to close a first passage between the suction port and the storage tank (13), but to open a second passage between the suction port and the solution tank (12) during the washing operation in which the articles are washed, and to open and close the first and second passages, respectively, during the rinsing operation in which the articles are rinsed.

IPC 1-7  
**A47L 15/16**; **A47L 15/46**

IPC 8 full level  
**A47L 15/16** (2006.01); **A47L 15/42** (2006.01); **A47L 15/46** (2006.01)

CPC (source: EP US)  
**A47L 15/0026** (2013.01 - EP US); **A47L 15/0028** (2013.01 - EP US); **A47L 15/30** (2013.01 - EP US); **A47L 15/4217** (2013.01 - EP US); **A47L 15/4221** (2013.01 - EP US); **A47L 15/4225** (2013.01 - EP US); **A47L 2301/00** (2013.01 - EP US); **A47L 2401/09** (2013.01 - EP US); **A47L 2401/12** (2013.01 - EP US); **A47L 2401/20** (2013.01 - EP US); **A47L 2501/01** (2013.01 - EP US); **A47L 2501/03** (2013.01 - EP US); **A47L 2501/05** (2013.01 - EP US)

Citation (search report)  
• [X] US 3083717 A 19630402 - BEAR JAMES H  
• [X] FR 1384930 A 19650108 - KITCHEN MACHINES HOLDING AG  
• [A] US 3279481 A 19661018 - SONES WILLIAM L, et al  
• [A] FR 2305159 A1 19761022 - SEB SA [FR]

Cited by  
EP0405627A1; EP0370552A1; EP3718455A1; CH716044A1; EP2759244A1; CN112672669A; AU777268B2; EP0547011A1; EP1261438A4; EP3146984A1; US7082952B1; WO0158605A1

Designated contracting state (EPC)  
CH DE FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0156161 A1 19851002**; **EP 0156161 B1 19890517**; DE 3570184 D1 19890622; US 4641671 A 19870210

DOCDB simple family (application)  
**EP 85101833 A 19850220**; DE 3570184 T 19850220; US 70279585 A 19850219